

BOD5 LOG

ANALYST: rubina

SUPERVISOR: Iwona

Analysis Date: 12/26/2024

QC BATCH ID: LB134094

BOD Water: WP111235

MANGANOUS SULFATE SOLUTION: W3103

Starch: W3149

Alkaline Iodide Azide: W3109

Sulfuric acid, 1N: WP110386

Sodium Thiosulfate, 0.025N: W3105

POLYSEED: WP111237

NaOH, 1N: WP108662

GGA: WP111236

IncubatorID: INCUBATOR #3

Chlorine Strips: W3155

GuageID: 0511062

pH Strips: W3140

Zero DO: WP111005

Lab SampleID	Client ID	Bottle No.	VOL. ML	Initial Reading (ML)	Final Reading (ML)	Difference	Average
WINKLER 1	WINKLER 1	1	300	0.0	10.01	10.01	10.01
WINKLER 2	WINKLER 2	2	300	10.00	20.01	10.01	10.01

Meter Calibration1: 9.89

Zero DO Reading1: 0.10 mg/L (<=0.2 Criteria)

Barometric Pressure1: 771 mmHg DO Meter BOD fluid reading for winkler comparison: 10.17

After Incubation

Meter Calibration2: 9.28

Zero DO Reading2: 0.10 mg/L (<=0.2 Criteria)

Barometric Pressure2: 755 mmHg

QC BATCH ID: LB134094

INCUBATOR TEMP IN(C): 19.8

INCUBATOR TEMP OUT(C): 19.9

TIME IN: 16:40

TIME OUT: 13:00

DATE IN: 12/26/2024

DATE OUT: 12/31/2024

Lab SampleID	Bottle No.	Check CL	Initial PH	Final PH	Temp °C	Sam Vol. (mL)	D.O.1 Initial	D.O.2 Final	Depletion	BOD Result (mg/L)	Avg Result (mg/L)	Comment
LB134094BL	1	No	6.66	N/A	20.70	300	10.16	10.14	0.02	0.02	0.02	
POLYSEED	1					10	10.13	6.91	3.22	0.64	0.64	
POLYSEED	2					15	10.10	5.11	4.99	0.67		
POLYSEED	3					20	10.02	3.81	6.21	0.62		
GGA	1					6	10.11	6.11	4	168	171.17	
GGA	2					6	10.07	6.02	4.05	170.5		
GGA	3					6	10.03	5.89	4.14	175		
P5385-02	1	No	6.04	6.90	20.00	0.5	10.04	7.69	2.35	1026	1175.5	pH Adjusted
P5385-02	2					1	10.02	4.82	5.2	1368		
P5385-02	3					2	9.85	1.66	8.19	1132.5		
P5385-02	4					3	9.72	0.06	-	0		
P5385-02DUP	1	No	6.04	6.90	20.00	0.5	10.05	7.35	2.7	1236	1172.5	pH Adjusted
P5385-02DUP	2					1	10.00	5.61	4.39	1125		
P5385-02DUP	3					2	9.85	1.50	8.35	1156.5		
P5385-02DUP	4					3	9.72	0.06	-	0		
P5386-05	1	No	7.40	N/A	20.10	5	9.97	8.50	-	0	55.89	
P5386-05	2					20	9.95	4.69	5.26	69.3		
P5386-05	3					50	9.91	2.19	7.72	42.48		
P5386-05	4					150	9.70	0.29	-	0		

NOTE: 2ml POLYSEED added to GGA and all the Samples, but not in Blank.

NOTE (For, CBOD5): 0.16 g Nitrification Inhibitor added to GGA and all the Samples, but not in Blank.

WORKLIST(Hardcopy Internal Chain)

66134094

WorkList Name : BOD5-12-26.

WorkList ID : 186627

Department : Wet-Chemistry

Date : 12-26-2024 13:13:39

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
P5385-02 A	COMP	Water	BOD5	Cool 4 deg C	ARAM01	L63	12/26/2024	SM5210 B
P5386-05 R	MOO-24-00397	Water	BOD5	Cool 4 deg C	PSEG03	N31	12/26/2024	SM5210 B

Date/Time 12/26/2024 15:00
Raw Sample Received by: RM CWL
Raw Sample Relinquished by: RM CWL

Date/Time 12/26/2024 16:30
Raw Sample Received by: RM CWL
Raw Sample Relinquished by: RM CWL